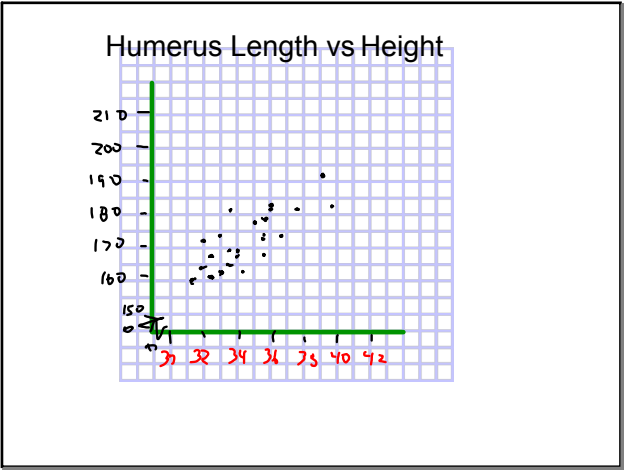


| Scatter Plots | | |
|---------------|-------------|---------------------|
| Student # | Height (cm) | Humerus Length (cm) |
| 1 | 166 | 32.5 |
| 2 | 173.5 | 33 |
| 3 | 160 | 32.5 |
| 4 | 183 | 36 |
| 5 | 158 | 31.5 |
| 6 | 171.5 | 32 |
| 7 | 169 | 33.5 |
| 8 | 175 | 35 |
| 9 | 178 | 35.5 |
| 10 | 166 | 34 |
| 11 | 191 | 39 |
| 12 | 173 | 36.5 |
| 13 | 164 | 33.5 |
| 14 | 172 | 34.5 |
| 15 | 182 | 39.5 |
| 16 | 163 | 32 |
| 17 | 160.5 | 33 |
| 18 | 160.5 | 34.5 |
| 19 | 168 | 34 |
| 20 | 181 | 36 |

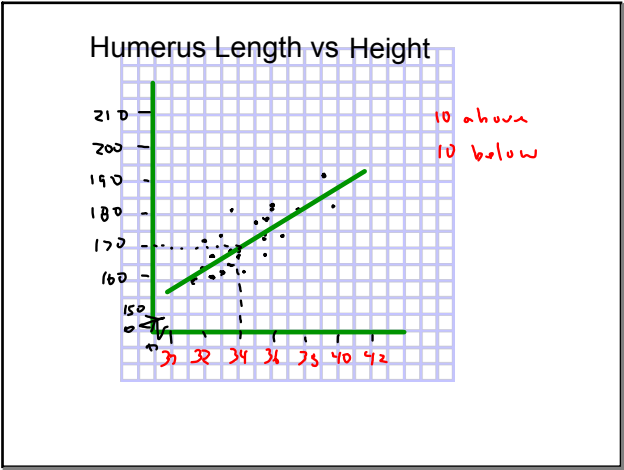
Apr 9-1:30 PM

| Scatter Plots | | |
|---------------|-------------|---------------------|
| Student # | Height (cm) | Humerus Length (cm) |
| 21 | 181 | 37.5 |
| 22 | 166 | 35.5 |
| 23 | 171 | 35.5 |
| 24 | 161 | 33.5 |
| 25 | 159 | 32.0 |
| 26 | 173 | 34.5 |
| 27 | 177 | 35 |
| 28 | 174 | 35 |
| 29 | 163 | 32 |
| 30 | 150 | 29 |
| 31 | 153 | 31 |

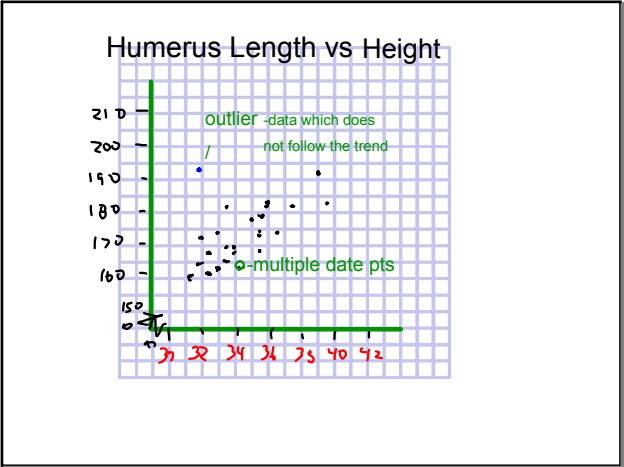
Apr 9-1:30 PM



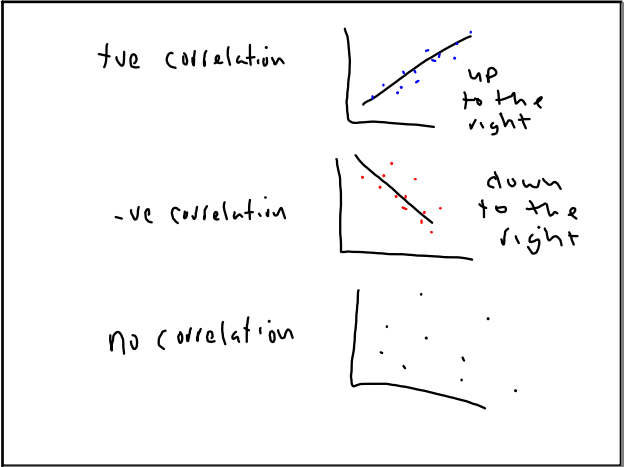
Apr 13-1:02 PM



Apr 13-1:02 PM



Apr 13-1:02 PM



Apr 13-1:22 PM


Scatter Plots- try to show if there is a pattern between two variables

This pattern can be measured using a correlation value

-1 or + 1 = Strongest correlation

0.3 or -0.3 = Weak correlation

$R =$



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The Line of Best Fit

To create',

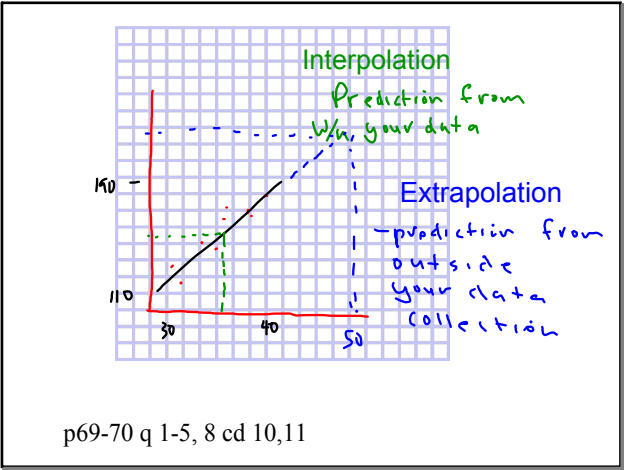
Line must describe data

Same number of pts above and below the line

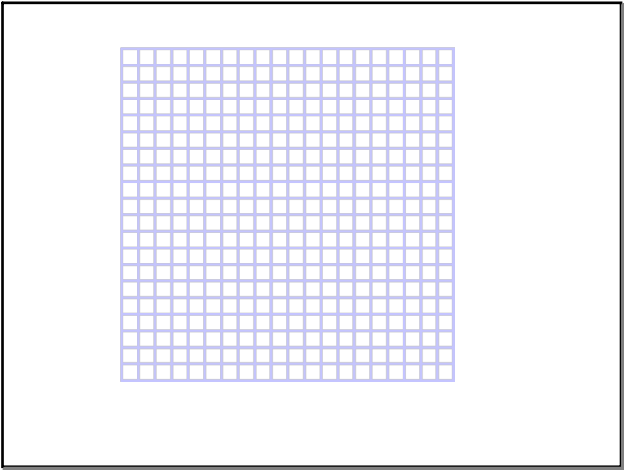
Pts are relatively equidistant from the line of best fit

Create Line of Best fit in order to Interpolate and Extrapolate data off the scatter plot

Apr 13-1:39 PM



Apr 13-1:02 PM



Apr 13-1:02 PM



Oct 16-11:15 AM